

Customer No.: 31561
Application No.: 10/709,717
Docket No.: 13004-US-PA

REMARKS

Claim Rejections 35 U.S.C. 102

Claims 1-5 and 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Silverbrook (US Pat. 6,274,056).

The Applicant has carefully considered the remarks set forth in the Office Action.

Claim 1 has been amended to provide more descriptions for clarification purposes, according to the present application. Supporting grounds for this amendment can be found in original Claim 2, figure 3A and the related descriptions in the specification.

Independent claim 1 recites the features as follows:

A fluid ejection device ... comprising:

...
a stopper, disposed on the cantilever portion of the beam and aligned to the orifice of the substrate.

Applicant submits Silverbrook failed to teach, suggest, or disclose a fluid quantity dispensing control such as a stopper in claim 1 of the present application. The stopper (308) can eject the same volume of fluid each time, and thus accurate quantity results a very clear definition. Furthermore, another advantage of the stopper is to eject the whole volume completely each time without leaving any residue on the orifice wall that is

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exposed to the air and dry out. As a result, the present application can deliver much better printing image quality. Therefore, Applicants submit that the claimed feature of the "a stopper, disposed on the cantilever portion of the beam and aligned to the orifice of the substrate" is neither taught, disclosed, nor suggested by Silverbrook, or any of the other cited references, taken alone, or in combination. Since each and every limitation of the invention, as set forth in claim 1 has not been taught, disclosed or suggested as is by Silverbrook, or any of the other cited references, claim 1, and its dependent claims 3-5 are submitted to be novel and unobvious over Silverbrook, or any of the cited references, taken alone or in combination, and thus should be allowed.

Claim 18 also has been amended to distinguish Silverbrook from the present application. Supporting grounds for this amendment can be found in lines 3-6 on paragraph 0028 in the specification.

Independent claim 18 recites the features as follows:

A method of operating a fluid ejection device... comprising:

...
...
...resulting in the stopper sticking to the orifice for ejecting
the fluid out of the orifice; and

...

Applicants submit that claims 18-20 include all subject matters contained in allowable independent claim 1, and thus should also be allowable.

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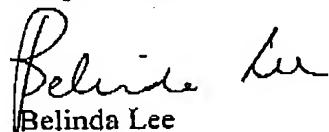
CONCLUSION

For at least the foregoing reasons, it is believed that the pending claims 1, 3-5 and 18-20 are in proper condition for allowance and an action to such effect is earnestly solicited. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Respectfully submitted,

Date :

Nov. 15, 2006


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